

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	("5792116" "4577543" "5376085" "5879342" "6375774" "6030371" "5558737" "4898702" "4135869" "5370899" "5845396" "6383434" "6479000" "4973319" "4946464" "4455690" "3983879" "3618613" "5240765" "4297265" "6777031" "6764509").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 07:41
L3	32737	(medical) and (tube tubing) and (helical spring\$3 coil\$3) and (mandrel core)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 07:42
L4	8727	(medical) and (tube tubing) and (helical spring\$3 coil\$3) and (mandrel core) with (plurality parts pieces separable two multiple)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 07:43
L5	4971	(medical) and (tube tubing) and (helical spring\$3 coil\$3) and (mandrel core) near4 (plurality parts pieces separable two multiple)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 07:43

L6	1157	(medical) and (tube tubing) and (helical spring\$3 coil\$3) and (mandrel core) near4 (plurality parts pieces separable two multiple) and (medical tube tubing catheter).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 07:43
L7	351	(medical) and (tube tubing) and (helical spring\$3 coil\$3) and (mandrel) near4 (plurality parts pieces separable two multiple) and (medical tube tubing catheter).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 07:44
L8	145	(medical) and (tube tubing) and (helical spring\$3 coil\$3) and (mandrel) near4 (plurality parts pieces separable two multiple) and (medical tube tubing catheter).ab.	USPAT; USOCR	OR	ON	2009/12/15 07:44
L9	83	(medical) and (tube tubing) and (helical spring\$3 coil\$3) and (mandrel) near4 (plurality parts pieces separable multiple) and (medical tube tubing catheter).ab.	USPAT; USOCR	OR	ON	2009/12/15 07:46
L10	2	("5,380,304" "5,700,253").pn.	USPAT; USOCR	OR	ON	2009/12/15 07:57
L11	3830	(brustad-j\$ hillal-s\$ hart-c\$ johnson-g\$ hillal-s\$ sakakine-g\$ gadberry-d\$ pingleton-e\$ petrime-m\$ adlparvar-p\$ hadley-c\$ vu-k\$).in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:20

L12	1157	I11 and (method process).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:20
L13	140	12 and (tube tubing mandrel catheter medical).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:20
L14	74	12 and (tube tubing mandrel catheter medical).clm. with (method process).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:20
L15	24	12 and (tube tubing mandrel catheter medical).clm. with (method process).clm. and (coil\$3 helical braid\$3 helix spring\$3).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:21
L16	1	"7005026".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:34
L17	1	"7534317".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:35
L18	2	("5836925" "5888436").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:40
L19	1	I18 and (coil\$3 helix helical spring\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:41
L20	9	10/766138	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:59
L21	6	L20 and (method process).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:59
L22	37356	"121" and (tube tubing mandrel catheter medical).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:59
L23	6	I21 and (tube tubing mandrel catheter medical).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 08:59
L24	1	(US-7534317-\$.did.	USPAT	OR	ON	2009/12/15 09:19

L25	1	I24 and (dip dipping dipped)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 09:20
L26	0	I24 and (extrusion). clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 09:38
L27	1	I24 and (extrusion)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 09:38
L28	1	I24 and (tapered multiple-part part)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 09:40
L29	1	(US-5888436-\$.did.	USPAT	OR	ON	2009/12/15 09:54
L30	1	I29 and (extrud\$3 extrusion coextrud \$3 coextrusion co- extrud\$3 co- extrusion)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 09:55
L31	1	I29 and (solvent solution bath)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 09:57
L32	1	I29 and (coil\$3 helical\$3 spring\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:01
L33	1	I29 and (wire) same (metal metallic)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:07
L34	1	"5792116".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:12
L35	0	"5792116".pn. and (coil\$3 helical spring \$3 helix)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:13
L36	0	"5792116".pn. and (solvent solution)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:18
L37	1	"5879342".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:19
L38	1	"3618613".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:26
L39	10	I1 and (coil\$3 spring \$3 helix helical)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:34

L40	10	I1 and (coil\$3 spring \$3 helix helical)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:35
L41	2	I10 and (mandrel mandril core)	USPAT; USOCR	OR	ON	2009/12/15 10:39
L42	6	I1 and (coil\$3 spring \$3 helix helical) and (mandrel mandril)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 10:43
L43	34	(US-20050004515-\$ or US-20050165366- \$).did. or (US- 3618613-\$ or US- 3983879-\$ or US- 4135869-\$ or US- 4297265-\$ or US- 4455690-\$ or US- 4577543-\$ or US- 4898702-\$ or US- 4946464-\$ or US- 4973319-\$ or US- 5240765-\$ or US- 5370899-\$ or US- 5376085-\$ or US- 5380304-\$ or US- 5558737-\$ or US- 5792116-\$ or US- 5836925-\$ or US- 5845396-\$ or US- 5879342-\$ or US- 5888436-\$ or US- 6030371-\$ or US- 6314856-\$ or US- 6375774-\$ or US- 6383434-\$ or US- 6464632-\$ or US- 6479000-\$ or US- 6540734-\$).did. or (US-6702972-\$ or US-6764509-\$ or US- 6777031-\$ or US- 6923788-\$ or US- 6964673-\$ or US- 7534317-\$).did.	US-PGPUB; USPAT	OR	ON	2009/12/15 10:53
L44	1	(US-5376085-\$).did.	USPAT	OR	ON	2009/12/15 11:02
L45	0	I44 and (coil\$3 spring\$3 helix helical) and (mandrel mandril)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:03

L46	2	("5558737" "4898702").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:07
L47	1	l46 and (silicon\$3 rubber)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:07
L48	4	("5240765" "4297265" "6777031" "6764509").pn. and (silicon\$2 same solvent)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:08
L49	26	l43 and (silicon\$3 rubber)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:14
L50	13	l43 and (silicon\$3 rubber) same (solvent)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:14
L51	34419	(catheter tube hose) and (coil\$3 spring \$3) and (dip dipping)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:19
L52	12920	(catheter tube hose) and (coil\$3 spring \$3) and (dip dipping) and (solvent)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:19
L53	34440	(catheter tube hose) and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (dip dipping) and (solvent)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:19
L54	432	(catheter tube hose). ab. and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (dip dipping) and (solvent)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:19
L55	199	(catheter tube hose). ab. and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (dip dipping) and (solvent)	USPAT; USOCR	OR	ON	2009/12/15 11:20

L56	131	(catheter tube hose). ab. and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (dip dipping) and (solvent) and (mandrel core mandril)	USPAT; USOCR	OR	ON	2009/12/15 11:20
L57	142	(catheter tube hose). ab. and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (dip dipping dipped) and (solvent) and (mandrel core mandril)	USPAT; USOCR	OR	ON	2009/12/15 11:20
L58	1	(US-6464632-\$).did.	USPAT	OR	ON	2009/12/15 11:32
L59	1	l58 and (taper\$3)	USPAT; USOCR	OR	ON	2009/12/15 11:32
L60	3	("4,634,432" "4,657,772" "4,705,511").pn.	USPAT; USOCR	OR	ON	2009/12/15 11:35
L61	77	("0243396" "3416531" "3671979" "3769960" "4000739" "4056854" "4122858" "4173981" "4276874" "4287892" "4302261" "4343672" "4527549" "4531936" "4540399" "4577543" "4592340" "4601713" "4664125" "4665604" "4697574" "4705507" "4741328" "4764324" "4785795"	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:55

"4804365"
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"5472435"
"5478309"
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"5549557"
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"5697905"
"5702373").PN.

L62	29	I61 and (cannula)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:55
L63	5	I61 and (cannula) and mandrel	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:55
L64	1	I61 and (cannula) and mandrel and (dip dipping dipped)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:56
L65	4	I61 and (cannula) and mandrel and (coil\$3 wire helix helical)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:58
L66	4	I61 and (cannula) and mandrel and (coil\$3 wire helix helical spring\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 11:58
L67	35	(catheter tube hose). ab. and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (dip dipping dipped) and (solvent) and (mandrel core mandril) with (taper \$3)	USPAT; USOCR	OR	ON	2009/12/15 12:07
L68	35	(catheter tube hose). ab. and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (dip dipping dipped) and (solvent) and (mandrel core mandril) near4 (taper \$3)	USPAT; USOCR	OR	ON	2009/12/15 12:08
L69	10	(catheter).ab. and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (mandrel core mandril) with (two- piec\$3 (two near2 piec\$3))	USPAT; USOCR	OR	ON	2009/12/15 12:14

L70	1	(catheter).ab. and (coil\$3 spring\$3 helical\$3) with (metal metallic wire) and (mandrel mandril) with (two-piec\$3 (two near2 piec\$3))	USPAT; USOCR	OR	ON	2009/12/15 12:14
L71	3	(catheter).ab. and (mandrel mandril) with (two-piec\$3 (two near2 piec\$3))	USPAT; USOCR	OR	ON	2009/12/15 12:15
L72	497	(mandrel mandril) with (two-piec\$3 (two near2 piec\$3))	USPAT; USOCR	OR	ON	2009/12/15 12:16
L73	266	(mandrel mandril) near4 (two-piec\$3 (two near2 piec\$3))	USPAT; USOCR	OR	ON	2009/12/15 12:16
L74	210	(mandrel mandril) near4 (two-piec\$3 (two near2 piec\$3)) and (tube catheter hose hollow\$3 tubular)	USPAT; USOCR	OR	ON	2009/12/15 12:17
L75	54	(mandrel mandril) near4 (two-piec\$3 (two near2 piec\$3)) and (tube catheter hose hollow\$3 tubular) and (extrud \$3 extrusion dip dipping dipped)	USPAT; USOCR	OR	ON	2009/12/15 12:17
L76	92	(mandrel mandril) near4 (two-part\$3 (two near2 part\$3)) and (tube catheter hose hollow\$3 tubular) and (extrud \$3 extrusion dip dipping dipped)	USPAT; USOCR	OR	ON	2009/12/15 12:26
L77	88	l76 not l75	USPAT; USOCR	OR	ON	2009/12/15 12:26
L78	1	"6464632".pn. and (dip dipping)	USPAT; USOCR	OR	ON	2009/12/15 12:52
L79	1	"6314856".pn.	USPAT; USOCR	OR	ON	2009/12/15 12:57

L80	1	"6540734".pn.	USPAT; USOCR	OR	ON	2009/12/15 12:58
L81	2	("5840031" "5429127").pn.	USPAT; USOCR	OR	ON	2009/12/15 12:59
L82	2	l81 and (taper\$3)	USPAT; USOCR	OR	ON	2009/12/15 12:59
L83	2	l81 and (taper\$3) with mandrel	USPAT; USOCR	OR	ON	2009/12/15 13:00
L84	1	l80 and (taper\$3) with mandrel	USPAT; USOCR	OR	ON	2009/12/15 13:04
L85	1	"6,464,632".pn.	USPAT; USOCR	OR	ON	2009/12/15 13:06
L86	1	"6,464,632".pn. and catheter	USPAT; USOCR	OR	ON	2009/12/15 13:07
L87	1	"5472435".pn.	USPAT; USOCR	OR	ON	2009/12/15 13:09
L88	1	l87 and solvent	USPAT; USOCR	OR	ON	2009/12/15 13:15
L89	1	("3618613").pn.	USPAT; USOCR	OR	ON	2009/12/15 13:19
L90	3	("3618613" "4898702" "4634432").pn.	USPAT; USOCR	OR	ON	2009/12/15 13:19
L91	2	"3585707".pn.	USPAT; USOCR	OR	ON	2009/12/15 13:19
S1	9	10/766138	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 06:39
S2	1	(US-20050165366- \$).did.	US-PGPUB	OR	ON	2009/12/15 06:40
S3	1	S2 and spring	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 06:40
S4	1	S2 and braid\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 06:46
S5	1	S2 and dipping	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/15 06:51

EAST Search History (I nterference)

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